State of Wisconsin Department of Natural Resources P. O. Box 7921, Madison WI 53707-7921

Facility and Contact Information

Laboratory Certification or Registration Application Form 4800-002 Rev 7/06

Instructions: This is an application for laboratory certification and registration in the State of Wisconsin. The application is only one part of the certification process; completing and submitting an application does not constitute certification. Complete certification requirements are available in the Program Information and Requirements Booklet (PUBL-TS-007-98). For additional information, contact the Laboratory Certification and Registration Program:

Telephone: (608) 267-7633 FAX: (608) 266-5226

E-mail: LabCert@dnr.state.wi.us

Program Homepage: http://www.dnr.state.wi.us/org/es/science/lc/

Notice: Authorization for this form is contained in ss. 299.11(7)(f), Wis. Stats, and NR 149.07(1), Wis. Adm. Code. Completion of this form is mandatory if your laboratory intends to become certified or registered in the State of Wisconsin. The Wisconsin Department of Natural Resources will not grant certification or registration in the State of Wisconsin if the laboratory fails to complete this form. Personally identifiable information on this form will be used by the Wisconsin DNR only for the purposes of laboratory certification. The Department may also provide this information to requesters under Wisconsin's open records law [ss. 19.31-19.39, Wis. Stats.].

List the following in the box provided for each item.			WI Facility Identific	ation Number	(FID)
Facility Name		Telephone		FAX	
Laboratory Location Address	City			State	Zip
Mailing Address, if different from above	City			State	Zip
Name of Laboratory Director	Telephone		E-mail Addre	ss	
Name of QA Officer	Telephone		E-mail Addre	ss	
Name of Laboratory Certification or Registration Contact	Telephone		E-mail Addre	ss	
Name of Billing Contact	Federal Employer Identification Number				
Part 1: Application Type					
Initial Application	Revised	Application			
☐ Not currently certified or registered by WI	_	Adding test of	categories or para	meters withir	n a test category
Our lab is applying for:		Laboratory N	lame Change		
CertificationRegistrationReciprocity	•	Ownership T	ransfer		
— 1.00(p.00)(y		Previous La	boratory Name, if	applicable:	

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La	boratory Information			
ent	ify the primary function of your laboratory, and the sample	e type	s ro	outinely analyzed.
TOF	RY TYPE (CHECK ONE)			
	Commercial			Landfill
	Municipal Wastewater			Public Water Supply
	Industrial			Transfer, Storage and Disposal Facility
	Public Health			Mobile Commercial
f S	AMPLES PROCESSED (CHECK ALL THAT APPLY)			
١	Nastewater Effluent (Domestic)		Pι	ublic Water Supply
I	ndustrial Pretreatment Effluent		Pr	ivate Water Supply
١	Nastewater Treatment Sludge		Ha	azardous Waste Determinations
(Groundwater		Slı	udge (other than wastewater)
5	Surface Waters		Tis	ssue
5	Soils/Sediment		LL	JST (Leaking Underground Storage Tanks)
(Other (specify)		Ot	her (specify)
	F S	TORY TYPE (CHECK ONE) ☐ Commercial ☐ Municipal Wastewater ☐ Industrial	entify the primary function of your laboratory, and the sample type FORY TYPE (CHECK ONE) Commercial Municipal Wastewater Industrial Public Health F SAMPLES PROCESSED (CHECK ALL THAT APPLY) Wastewater Effluent (Domestic) Industrial Pretreatment Effluent Wastewater Treatment Sludge Groundwater Surface Waters Soils/Sediment	entify the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory, and the sample types responsible to the primary function of your laboratory function of

Part 3: Application Fees

Initial applications require both an initial application fee and base fee. Enter the amount(s) due for this application.

		FY 2007 Fee	Amount Due
Initial App	olications		
	Initial Application Fee	\$348.00	
	Annual Certification Base Fee	\$870.00	
	Annual Registration Base Fee	\$580.00	
	Annual Reciprocity Base Fee	\$1,740.00	
Revised A	Applications Only		
	Revised Application Fee	\$174.00	
		Subtotal:	

Part 4: Test Category Fees

For **Initial** applications: place a check before each test category for which certification or registration is requested. Enter the amount due for each test category.

For **Revised** applications: place a check before each test category for which certification or registration is requested. If you are adding a new test category, enter the amount due for each new test category. If you are adding tests within a category for which you are currently certified or registered, enter "0" as the amount due.

Reciprocity Applications Test Category Fees are not charged for reciprocity laboratories. Enter "0" as the amount due.

The following fee schedule is effective July 1, 2006 and is subject to change July 1, 2007

CATEGORY		FY 2007 FEE	AMOUNT DUE
□ 1	Oxygen Utilization (BODs)	58.00	
□ 2	Nitrogen	58.00	
□ 3	Phosphorus	58.00	
□ 4	Physical (Solids, Oil & Grease)	58.00	
□ 5	General I	116.00	
□ 6	General II	116.00	
□ 7	General III	232.00	
□ 8	Metals I	232.00	
□ 9	Metals II	232.00	
□ 10	Organic; Purgeables	232.00	
□ 11	Organic; Semivolatiles by GC	232.00	
□ 12	Organic; Semivolatiles by GC/MS (BNAs)	232.00	
□ 13	Organic; Liquid Chromatography	232.00	
□ 14	Organic; Pesticides	232.00	
□ 15	Organic; Petroleum Hydrocarbons	696.00	
□ 16	Organic; Organochlorine Compounds	232.00	
□ 17	Organic; Dioxins	696.00	
□ 18	Safe Drinking Water	1,160.00	
□ 18a	Safe Drinking Water- Nitrate and Nitrite Only	116.00	
□ 18b	Safe Drinking Water- Nitrate, Nitrite and Fluoride Only	232.00	
□ 19	Any Single Analyte (fee per analyte or analyte group)	232.00	
□ 20	Effluent Toxicity	1,508.00	
□ 21	Immunoassay	232.00	
		Subtotal:	

Part 5: Total Amount Due

Calculate the total fee due for this application and enclose a check payable to the Wisconsin Department of Natural Resources for the amount indicated:			
1) Subtotal from Part 3			
2) Subtotal from Part 4			
3) Total Fee (sum lines 1 and 2 above) (see <i>Minimum Annual Fee</i> below)			

Minimum Annual Fee Due - Per s. 149.05(1)(d), Wis. Admin. Code, laboratories must pay the minimum annual certification fee if they are submitting an initial application for <u>certification</u> in any of test categories 5-19, not including 18a and/or 18b only, and the total fee recorded in line 3 above is less than \$1,392.00.

Laboratories are exempt from the minimum annual fee requirement if:

- They are applying for registration,
- They are currently certified and are submitting a <u>revised</u> application to add tests or test categories, or
- They are seeking certification in test categories 18a and/or 18b only.
 - Total is less than minimum fee. Laboratory is paying minimum annual certification fee of \$1,392.00

Part 6: Additional Information Required With Application

Submit all of the data and information asked for in this section with your application. Applications received without all of the information outlined in this section will be considered incomplete, which will delay processing.

Equipment List - Submit a current list of analytical equipment used by the laboratory to perform the test methods identified below.

Reference Samples - Attach copy of acceptable reference sample (also known as PT, PE) results from at least one of the approved reference sample providers for each test or test categories for which certification or registration is desired. These results must have been completed within six months of the date of application. Make sure that the sample contains the proper analytes and concentration levels. Contact the Laboratory Certification and Registration Program or visit our website for a current list of approved providers.

Note: Reference samples are not required for Category 02 - Nitrite, Category 06 - Sulfide, Category 07 - all analytes, Category 17 – Dioxin, Category 20 - Effluent Toxicity and Category 21- Immunoassay.

Several categories only require acceptable results on "key analytes" for all the analytes in the category. The key analytes and categories are: Category 01- Biochemical Oxygen Demand, Category 03- Total Phosphorus, Category 04- Total Suspended Solids and Category 05 - Hardness. Categories 10 - 16 have special requirements for representative samples.

Proof of Intent to Perform Work in Wisconsin- Labs applying for <u>initial</u> certification or reciprocity are required to attach a statement indicating proof of intent to perform analytical work in Wisconsin. Examples of an acceptable proof would be a letter from a potential client, an affiliated office in Wisconsin or a bid proposal.

Quality Assurance/Quality Control - The laboratory is required to maintain, at a minimum, the quality assurance program outlined in sec. NR 149.14, Wis. Adm. Code. Components of a laboratory quality assurance program to be submitted with this application include:

- Initial demonstration of capability (IDC, also known as initial precision and recovery, IPR), as listed below;
- Detection limit (MDLs, also known as limit of detection, LOD) studies, as listed below; and
- Quality Assurance Plan, only if an initial application.

Specific info	Initial Demonstration of Capability and Method Detection Limits Specific information concerning the requirements regarding minimum limits of detection and Wisconsin's low-level reporting rule can				
	be found in the Program Information and Requirements Booklet (PUBL-TS-007-98).				
Test Category	Analytes	Required Data			
4	Hexane Extractable Materials	MDL and IPR as specified in EPA Method 1664			
2, 3, 5 or 6	Anions by Ion Chromatography	MDLs for each analyte under application			
13	Polycyclic Aromatic Hydrocarbons; Aldehydes and Ketones; Carbamate and Urea-Substituted Pesticides; Explosive Residues	MDLs and IDCs for each method and analyte under application			
14	Acid Herbicides; Organophosphorus Pesticides; Nitrogen, Triazine and Metabolite Pesticides	MDLs and IDCs for each method and analyte under application			
15	Gasoline Range Organics; Diesel Range Organics; Petroleum Volatile Organics	MDLs and IDCs by the Wisconsin methods are required in both soil and water matrices.			
16	Organochlorine Pesticides; Polychlorinated Biphenyls	MDLs and IDCs for each method and analyte under application			
18	All analytes covered under the Safe Drinking Water test category	MDLs are required for all inorganic and organic analytes IDCs are required only for the organic analytes			

Per s. NR 149.07(1)(d), Wis. Adm. Code, the Department may request, on a case-by-case basis, any additional information necessary to demonstrate a laboratory's compliance with the requirements of this chapter.

Part 7: Method References

Laboratories must follow approved methods as identified in s. NR 149.11(1), Wis. Adm. Code, for covered programs. Specific authoritative sources are listed in NR 149.03(5), Wis. Adm. Code.

Sp	pecify the edition used. Lines K-M may be used for additional references.	Edition
A.	Standard Methods for the Examination of Water and Wastewater, American Public Health Association	
В.	Methods for Chemical Analysis of Water and Wastes, U.S. EPA	
C.	40 CFR 136 Appendix A, Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater (600 series methods)	
D.	Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039 and supplements	
E.	Methods for the Determination of Metals in Environmental samples, EPA/600/4-91/010, June 1991 and supplements	
F.	Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993 and supplements	
G.	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, U.S. EPA	
Н.	Annual Book of ASTM Standards, Sections 11.01 and 11.02, Water and Environmental Technology	
I.	Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists	
J.	WI Modified DRO and GRO Methods, WI-PUBL-SW-141 and WI-PUBL-SW-140, September 1995	
K.		
L.		
M.		

Part 8: Analytical Methods

Complete the following, listing the analytical method used for each analyte and matrix within each test category for which certification or registration is requested. These methods shall be the analytical method required by applicable state or federal regulation or permit, or as approved under s. NR 149.12, Wis. Adm. Code. If regulatory agency or permit does not prescribe the analytical method, the method shall be selected from an authoritative source specified by the Department in s. NR 149.03(5), Wis. Adm. Code.

For matrices other than wastewater or solid/hazardous waste (e.g., groundwater), list the analytical method in the column titled "Other". For drinking water, go to Category 18 to list analytical methods.

	Test Category/Analyte	Wastewater	Solid/Hazardous Waste	Other (specify matrix)
		EXAMPLES		
☑	Biochemical Oxygen Demand	A; 5210		
Ø	Nitrate as Nitrogen	A;4500-NO3 F		Groundwater: G; 9056
Ø	Volatile Organic Compounds		D;8021 <u>and</u> 8260	
01 O	kygen Utilization			
	Biochemical Oxygen Demand			
	Carbonaceous BOD			
02 Ni	trogen			
	Nitrate as Nitrogen			
	Nitrite as Nitrogen			
	Nitrate + Nitrite as Nitrogen			
	Ammonia as Nitrogen			
	Total Kjeldahl Nitrogen			

■ Waste Fingerprinting Analyses

Other (specify) 03 Phosphorus Wastewater Solid/Haz. Waste □ Total Phosphorus Orthophosphate 04 Physical Total Suspended Solids ■ Total Solids □ Total Dissolved Solids ■ Total Volatile Solids ☐ Total Volatile Suspended Solids Oil and Grease ☐ Hexane Extractable Material 05 General I Alkalinity/Acidity ■ Bromide ☐ Chlorophyll a □ Color Hardness □ Silica □ Silicate ■ Sulfite Surfactants 06 General II □ Chemical Oxygen Demand □ Chloride Cyanide □ Fluoride ■ Sulfate Sulfide ■ Total Phenolic Compounds 07 General III Ignitability Corrosivity ■ Reactivity ☐ Reactive Cyanide (Total Releasable CN⁻)* ☐ Reactive Sulfide (Total Releasable S⁻²)*

Note: This is a preparatory procedure. Laboratories applying for these tests must also apply for the appropriate determinative procedure.

☐ Iron☐ Lead

MagnesiumManganeseMercuryMolybdenum

NickelPotassiumSeleniumSilverSodiumStrontiumThallium

☐ Tin

□ Zinc

■ Vanadium

Other (specify) 07 General III (continued) Wastewater Solid/Haz. Waste □ Total Organic Carbon ☐ Total Organic Halide (Includes AOX) □ TCLP Extraction* ■ SPLP Extraction* ■ EP Toxicity* 08 Metals I Aluminum Antimony Arsenic □ Barium ■ Beryllium ■ Boron □ Cadmium □ Calcium ☐ Chromium, Hexavalent □ Chromium, Total □ Cobalt □ Copper

^{*} Note: This is a preparatory procedure. Laboratories applying for these tests must also apply for the appropriate determinative procedure.

Other (specify) 09 Metals II Wastewater Solid/Haz. Waste Bismuth ☐ Gold □ Iridium □ Lithium Osmium Palladium □ Platinum ■ Rhodium □ Ruthenium Silicon □ Titanium □ Tungsten □ Zirconium 10 Purgeables by GC or GC/MS □ Acrolein & Acrylonitrile Ethylene Dibromide (EDB) and Dibromochloroprompane (DBCP) by Microextraction □ Glycols Purgeable Aromatics Purgeable Halocarbons ■ Volatile Organic Compounds 11 Semivolatiles by GC (no GC/MS methods) Acid Extractables □ Phenolic Compounds ■ Base/Neutral Extractables Haloethers ■ Nitroaromatics and Isophorone Nitrosamines Nonpurgeable Chlorinated Hydrocarbons Phthalate Esters Polynuclear Aromatic Hydrocarbons 12 Semivolatiles by GC/MS (BNAs) This category does not include acid herbicides, nitrogen, organochlorine or organophosphorus pesticides. You must be certified in categories 14 and/or 16 to report pesticides, even if your laboratory analyzes them using traditional semivolatile techniques. ■ Base/Neutral Acid Extractables □ PAHs by Selected Ion Monitoring (SIM) GC/MS

13 E	xtractables by Liquid Chromatography	Wastewater	Solid/Haz. Waste	Other (specify)
	1 Acrylamide			
	Acrylonitrile and Acrolein			
	Aldehydes and Ketones			
	1 Benzidines			
	1 Carbamate Pesticides			
	Diquat and Paraquat			
	Explosive Residues			
	Polynuclear Aromatic Hydrocarbons			
	3 Substituted Urea Pesticides			
	Pesticides (GC or GC/MS)			
	•			
	1 Dinoseb Only			
	Nitrogen Pesticides (includes Triazines)			
	Triazine Pesticides and Metabolites Only			
	Organophosphorus Pesticides			
	Other Pesticides			
45.5	National Leading and Associated			
	Petroleum Hydrocarbons			
	31 31 31 4 7			
	31 31 31 31			
	Petroleum Volatile Organics (PVOC)			
16 C	Organochlorine Compounds			
	Polychlorinated Biphenyls (PCBs)			
	olychlorinated Dibenzo-p-Dioxin			
	Polychlorinated Dibenzo-p-Dioxin			
	Polychlorinated Dibenzo-p-Furan			

SAFE DRINKING WATER ANALYTES

Test Category/Analyte		Drinking Water
18 Safe Drinking	Water	
INOF	RGANIC CHEMICALS	
□ Asbestos	(acceptance of another agency's program when a variance request is made under s. NR 149.45)	

	Test Category/Analyte	Drinking Water
	INORGANIC CHEMICALS	
	Cyanide	
	Fluoride	
	Nitrate-Nitrogen	
	Nitrite-Nitrogen	
	Nitrate + Nitrite as N	
	Sulfate	
	METALS	
	Antimony	
	Arsenic	
	Barium	
	Beryllium	
	Cadmium	
	Chromium	
	Copper	
	Lead	
	Mercury	
	Nickel	
	Selenium	
	Sodium	
	Thallium	
	DISINFECTION BYPRODUCTS	
	Bromate	
	Chlorite	
	HALOACETIC ACIDS (five) (HAA5)	
	(Monochloroacetic acid, Dichloroacetic acid, Trichloroacetic acid, Bromoacetic acid, Dibromoacetic acid)	
	TOTAL TRIHALOMETHANES (TTHM)	
	(Bromodichloromethane, Bromoform, Chlorodibromomethane, Chloroform)	
	ORGANICS	
	REGULATED VOLATILE ORGANICS (VOC)	
	(Benzene, Carbon Tetrachloride, Chlorobenzene, <i>o</i> -Dichlorobenzene, <i>p</i> -Dichlorobenzene, 1,2-Dichloroethane, 1,1-Dichloroethylene, <i>cis</i> -1,2-Dichloroethylene, <i>trans</i> -1,2-Dichloroethylene, 1,2-Dichloropropane, Ethylbenzene, Methylene Chloride, Styrene, Tetrachloroethylene, Toluene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethylene, Videoc (m. a. p.), and Vigor Chloride)	
	Xylenes $(m + o + p)$, and Vinyl Chloride)	
"	EDB and DBCP Ethylene dibromide (EDB), Dibromochloropropane (DBCP)	
	CHLORINATED PESTICIDES by GC	
	(Chlordane, Endrin, Heptachlor, Heptachlor epoxide, Lindane, Methoxychlor, Toxaphene)	
П	CHLORINATED PESTICIDES by GC/MS	
	(Chlordane, Endrin, Heptachlor, Heptachlor epoxide, Lindane, Methoxychlor, Toxaphene)	
	(Onlordano, Endrin, Frontacinor, Frontacinor oponide, Enidane, Methoxychior, Toxaphene)	

Test Category/Analyte	Drinking Water
□ POLYCHLORINATED BIPHENYLS (PCB) as Decachlorobiphenyl	
□ NITROGEN/PHOSPHORUS PESTICIDES by GC	
(Alachlor, Atrazine, Simazine)	
□ NITROGEN/PHOSPHORUS PESTICIDES by GC/MS	
(Alachlor; Atrazine; Simazine)	
□ ACID HERBICIDES by GC	
(2,4,-D, 2,4,5-TP [Silvex], Dalapon, Dinoseb, Pentachlorophenol, Picloram)	
□ ACID ORGANICS by GC/MS (Pentachlorophenol)	
□ LC PESTICIDES	
(Carbofuran, Oxamyl [Vydate], Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide)	
☐ CHLORINATED HYDROCARBONS by GC	
(Hexachlorobenzene, Hexachlorocyclopentadiene)	
☐ CHLORINATED HYDROCARBONS by GC/MS	
(Hexachlorobenzene; Hexachlorocyclopentadiene)	
□ PHTHALATES by GC	
(Bis[2-ethylhexyl]adipate, Bis[2-ethylhexyl]phthalate)	
□ PHTHALATES by GC/MS	
(Bis[2-ethylhexyl]adipate, Bis[2-ethylhexyl]phthalate)	
PAHs by HPLC (Benzo(α)pyrene)	
PAHs by GC/MS (Benzo(α)pyrene)	
MISCELLANEOUS PESTICIDES & HERBICIDES	
□ Diquat	
□ Endothall	
☐ Glyphosate	
☐ Dioxin (2,3,7,8-TCDD)	

END OF SAFE DRINKING WATER ANALYTES

Test Category/Analyte	Wastewater	Solid/Hazardous Waste	Other
19 Any Single Analyte or Analyte Group			
0			
20 Effluent Toxicity			
☐ Acute Invertebrate Toxicity			
☐ Acute Vertebrate Toxicity			
☐ Chronic Invertebrate Toxicity			
☐ Chronic Vertebrate Toxicity			
21 Immunoassay			

PLEASE NOTE:

- In accordance with s. NR 149.07(3), Wis. Adm. Code, a laboratory may not apply and the Department may not accept application for additional certification or registration or reapplication when: (a) a notice of violation has been issued for a violation of this chapter and the problems causing enforcement have not been corrected, (b) an administrative order has been issued for violation of this chapter, or (c) a laboratory is not in compliance with this chapter at the time it voluntarily relinquishes its certification or registration, the problems have not been corrected, and 6 months have not elapsed.
- The certification or registration period is September 1 to August 31.
- Certification is nontransferable. If ownership changes, a transfer of ownership application must be submitted.
- Incomplete applications expire one year from the application receipt date.
- Fees are non-refundable, except for overpayment.
- The WDNR should be informed of any changes in the information given in this application.

In signing this application, the laboratory has:

- a) Established and will follow quality control procedures specified in s. NR 149.14, Wis. Adm. Code.
- b) Complied and will continue to comply with the Wisconsin Laboratory Certification and Registration Code, ch. NR 149, Wis. Adm. Code.

Agreed to allow the Wisconsin Department of Natural Resourc compliance with ch. NR 149, Wis. Adm. Code.	es or its representatives to inspect the laboratory to determine
Signature of Owner or Agent	Date
Printed Name of Owner or Agent	Telephone Number
Address (if different from laboratory):	

Have you included the following in this package?

Fees; payable to Wisconsin Department of Natural Resources
Reference Sample Results
Proof of Intent to Perform Work in Wisconsin
Equipment List
Detection Limit and Initial Demonstration of Capability data, where required
Quality Assurance Manual, initial applications only

MAIL COMPLETED APPLICATION AND ATTACHMENTS TO:

Wisconsin Department of Natural Resources Laboratory Certification Program P.O. Box 7921 Madison, WI, 53707-7921